

# OUTLOOK

A WEEKLY NEWSPAPER FOR FACULTY AND STAFF AT THE UNIVERSITY OF MARYLAND AT COLLEGE PARK

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## Minker Endows Computer Science Fellowship

Jack Minker, professor of computer science, has established the Jack and Rita G. Minker Fellowship in Computer Science through a generous gift in memory of his late wife.

The two-year fellowship will be offered to a highly qualified, incoming graduate student. It will provide a 12-month stipend at a minimum of \$18,500. In addition, the recipient will receive full tuition remission and the standard university benefit package.

Applicants must demonstrate competence in computer science, mathematical maturity, scholarly capabilities in the humanities and the arts, and service to the community.

Rita G. Minker was for many years on the staff at NIH. The fellowship stipulates that a minimum of one third of the recipients will be women.

A permanent member of the University of Maryland Institute for Advanced Computer Studies (UMI-

ACS) and a leading authority on logistics, Jack Minker has been on the College Park faculty since 1968. In 1974, he served as the first chair of the computer science department.

The application deadline for the Minker Fellowship is January 15, 1993. For more details, contact the Graduate Office, Department of Computer Science, in the A.V. Williams Building.

## Researcher Solves Structure of Key Enzyme That Metabolizes Toxic Chemicals

After a decade of research, a College Park biochemist and a colleague from the Center for Advanced Research in Biotechnology (CARB) have identified the structure of a liver detoxification enzyme that will help scientists understand how the liver filters cancer-causing substances from the body. Knowledge of this enzyme, called glutathione S-trans-

ferase, or GST, could pave the way for a new generation of more effective chemotherapy agents.

GST is an enzyme that renders many pollutants and carcinogenic substances harmless. "GST is an enzyme produced in the liver and other tissues that protects people and animals from cancer-causing substances," explains Richard Armstrong, a biochemistry professor at College Park. The new GST structure is one of the first liver detoxification enzymes ever solved. It can detoxify

a very broad spectrum of harmful chemicals.

Understanding the structure of the GST molecule could permit drug makers to design more effective chemotherapy drugs as well as enzyme-inhibitors that would make cancer cells more susceptible to chemotherapy. "As a group, the GST enzymes are probably the single most important class of enzymes involved in the detoxification of pollutants and carcinogenic substances," Armstrong says.

## INSIDE

### Systems Research Center Holds Research Review Conference

Gunter Stein to discuss the evolution and future of control.....2

### Decision and Information Sciences Group Presents First Lecture

"An Architecture for Using the Global Information Network" is topic.....2

### Kudos to ...

Faculty, staff and students for recent accomplishments, awards and other achievements.....3

## Toys for Tots

For the second year in a row, the university will be a drop-off site for the annual U.S. Marine Corps' Toys for Tots campaign. New toys can be dropped at the Stamp Student Union Information Desk from 9 a.m. to 7 p.m., Monday through Friday and from noon to 5 p.m., Saturday and Sunday. The Toys for Tots collection campaign will run from Monday, November 30 through Wednesday, December 16. For more information, contact Mark Prokop at 853-4728, Andy Mrusko at 314-8618, or the Student Union Information Desk at 314-3375.



## Community Service Learning Program

Open to all College Work-Study eligible students, the Job Referral Service's Community Service Learning Program provides opportunities for service to the community while earning a competitive salary. For more information, call Katrina Smith at 405-7558 or visit the Job Referral Service in Room 3120 Hornbake Library, South Wing.

## ISR to Hold Annual Research Review Conference

The Institute for Systems Research (formerly Systems Research Center) will hold its annual Research Review Conference Tuesday, December 1 from 11 a.m. to 5 p.m. The proceedings will be broadcast live nationwide via satellite from the studios of the university's Instructional Television system. They can also be viewed from Room 3103 of the Engineering Classroom Building.

The broadcast will highlight selected technical aspects in the integrated

design of complex engineering systems.

Critical issues in intelligent control, high speed data and video communication systems, and integrated network management will be discussed.

The plenary speaker will be Gunter Stein, chief scientist of Honeywell's Systems and Research Center in Minneapolis. He will discuss the evolution and future of control.

Other participants include College Park electrical engineering faculty

Eyad Abed, John Baras, Nariman Fardian, Joseph Jaja and P.S. Krishnaprasad, business professor Michael Ball, and Harvard University professor of electrical engineering James Clark. All also hold joint appointments with the SRC.

Conference seating is limited and those wishing to attend must register by November 25. For details, call 405-6634.

## Dingman Center to Offer Faculty Access to Mentor Program

The Michael D. Dingman Center for Entrepreneurship is now offering its mentor program to College Park faculty members wishing to start their own business.

The center, located in the College of Business and Management, supports and encourages entrepreneurship and intrapreneurship within the Mid-Atlantic Region through outreach, education and research.

The mentor program provides experienced entrepreneurs and executives

to assist emerging growth companies in solving various business problems. The mentors offer advice in areas such as accounting, staffing, financial and strategic planning, marketing, sales and government contracting. The specific needs of each entrepreneur are matched with the skills of the mentors. A free initial consultation is provided.

For additional information, contact Robin Simeonsson, Mentor Program Manager, at 405-2153.

### Correction:

An article in the Nov. 9 Outlook about new Maryland Fire and Rescue Institute director Steven T. Edwards incorrectly stated that he is an alumnus of College Park. Edwards, in fact, holds a B.S. degree in fire science and a master's degree in general administration from University of Maryland University College.

## First Decision and Information Sciences Lecture Set

Gio Wiederhold, professor of computer science and medicine (research) at Stanford University, will deliver the first Decision and Information Sciences lecture Wednesday, December 2 in Room 0109 Hornbake Library at 3 p.m.

Wiederhold's lecture, "An Architecture for Using the Global Information Network," will be preceded by a reception at 2:30 p.m. A Q&A session and discussion will follow his remarks at 4 p.m.

The lecture is the first in what is hoped will be a regular series sponsored by the Decision and Information Sciences Group, an informal group initiated by Acting Provost

Jacob Goldhaber last summer. The group includes faculty and staff from a variety of disciplines including business, computer science, engineering, geography, information science, and psychology.

Wiederhold is an authority on the application and development of knowledge-based techniques to database management and their application to general system design, medicine, information systems, and planning. He is currently on research leave at DARPA in Washington, D.C., where he manages the knowledge-based systems area and is developing a program of integration science.

## No OUTLOOK November 30

Because of the Thanksgiving holiday, there will be no November 30 issue of OUTLOOK. The next issue

will be dated December 7. OUTLOOK wishes all our readers a pleasant holiday.

## OUTLOOK

Outlook is the weekly faculty-staff newspaper serving the College Park campus community.

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Letters to the editor, story suggestions, campus information & calendar items are welcome. Please submit all material at least three weeks before the Monday of publication. Send it to Editor Outlook, 2101 Turner Building, through campus mail or to University of Maryland, College Park, MD 20742. Our telephone number is (301) 405-4621. Electronic mail address is totwell@umdacc.umd.edu. Fax number is (301) 314-9344.

UNIVERSITY OF MARYLAND AT COLLEGE PARK



## Agustin Ramos to Give Lecture

Agustin Ramos, a Rockefeller Foundation Humanities Fellow in the Department of Spanish and Portuguese, will give a lecture, in Spanish, on December 1 at 5 p.m. in the Multipurpose Room of the Language House. The title of his lecture is "La tierra prometida. Vida del Conde de Regla y conflicto minero de Real del Monte." For more info., call 405-6441.

# NEWS

## Kudos to....

From time to time, OUTLOOK runs this section calling attention to the accomplishments, awards and other achievements of College Park faculty, staff and students. Kudos to... is compiled from memos, letters, phone calls, and departmental newsletters. We'd like to hear from you. Send information to OUTLOOK, attn: Kudos, 2nd Floor, Turner Building.

**Clara Hill**, psychology, on her election as president of the International Society for Psychotherapy Research.

**William E. De Lorenzo**, education, for winning the American Council on the Teaching of Foreign Languages' 1992 Florence Steiner Award for Leadership in Foreign Language Education for the Postsecondary Level. De Lorenzo was honored for his contributions to the foreign language profession throughout his career.

**George E. Dieter**, engineering, for winning the 1992 Albert Sauveur Achievement Award of ASM International. Dieter was cited "for distinguished contributions to mechanical metallurgy, engineering design and engineering education, which have influenced numerous students and researchers."

**James Grunig**, journalism, for winning the second annual Jackson Jackson & Wagner Behavioral Science Prize awarded by the Public Relations Society of America Foundation. The prize recognizes significant social science research findings that public relations professionals can use in their work. In 1989, Grunig won PRSA's "Outstanding Educator Award."

**John A. Bielec**, administrative affairs, who addressed the 2nd European University Colloquium on Informatics in Lyon, France. Bielec discussed current issues in U.S. university computing, including the changing role of academic computing centers, information management, and virtual information systems such as libraries without walls.

**Linda Sahin**, Maryland English Institute, who presented a paper on delivering language instruction for professional purposes via satellite at the 26th annual International Association of Teachers of English as a Foreign Language conference in Lille, France.

**Jerry Lewis**, academic achievement programs, for winning the Walter O. Mason, Jr. Award of the National

Council of Educational Opportunity Associations. He was recognized for his energetic leadership to enhance educational opportunities for all Americans.

**Alan Miller**, Center for Global Change, for winning the 1992 Stratospheric Ozone Protection Award of the Environmental Protection Agency. Miller is one of 30 individuals from nine nations who received the award which recognizes

exceptional leadership, personal dedication, and technical achievements in eliminating ozone-depleting substances.

**Francis R. Gouin**, horticulture, who was honored by the Landscape Contractors Association of MD-DC-VA for his 27 years of service to the industry. The association has established the Francis R. Gouin Distinguished Service Award in recognition of his innovative teaching methods and demonstrations as well as his guidance and opinions that have contributed toward the growth and success of the landscape contracting industry.

**Ralph D. Bennett**, architecture, who has been named Commissioner of the Housing Opportunity Commission of Montgomery County. From 1991-92, he was also chair of the county's Productivity Housing Advisory Committee. Bennett was principal architect for St. Raphael's House and Mary's House, homes for the elderly in Rockville and Lake Seneca, and Flower Hill Elementary School.

**Michael F. A'Hearn**, astronomy, for being elected vice chair of the Division of Planetary Sciences of the American Astronomical Society. He took office at the division's annual meeting in Munich in October and will become its chair next fall.

**Nancie Gonzalez**, anthropology, who was recently appointed a Peace Fellow (1992-93) at the U.S. Institute of Peace in Washington, D.C. She will head a project focusing on ways in which rapid social and economic change generates ethnic tensions and



Stephen Loeb

promotes the redefinition of ethnic identities in Central America, the Middle East and elsewhere. Gonzalez is also a Fellow at the Center for International Development and Conflict Management at College Park.

**Stephen Loeb**, business and management, for receiving the District of Columbia Institute of CPA's Distinguished Public Service Award. Loeb was recognized for his "outstanding contribution to our community, including... efforts on behalf of children with special education needs...and his innovative program integrating ethics into the university



Ralph D. Bennett

accounting program." Loeb and his wife Cindy also were recognized recently by the Montgomery County Council of PTAs for their outstanding work as chairs of the PTA's Special

Needs/Alternative Programs.

**Irwin L. Goldstein**, psychology, for winning the 1992 Distinguished Service Award of the Society of Industrial and Organizational Psychology. Goldstein was recognized for his "sustained, significant, and outstanding service" to the national society.

**Stanley Dambroski**, academic achievement programs, who delivered a paper at the XXVIIIth International Phenomenology Congress of the World Phenomenology Institute in Messini, Greece. Dambroski coordinates the



Nancie Gonzalez

English component of the Intensive Educational Development Program and is a doctoral student in the English department.



Linda Sahin



Jerry Lewis



# CALENDAR

## November 23 – December 9

### 23 MONDAY

**Art Faculty Exhibition:** "Out of the Studio," recent works by faculty members of the Art Studio Dept., through Dec. 18 at the Art Gallery. Call 5-2763 for info.

**West Gallery Art Exhibit,** a retrospective exhibit of paintings by Golden ID student Leon Horne, 8:30 a.m.-4:30 p.m. weekdays through Nov. 24, 1309 Art/Soc. Call 5-1442 for info.

**Entomology Colloquium:** "Knowledge-Based System Approach to American Cockroach Management Decision Making in the Urban Environment," Nonggang Bao, Va. Tech., 4 p.m., 0200 Symons. Call 5-7947 for info.

Admission is \$7 standard, \$5 students and seniors. Call 5-5542 for info.\*

**Reckord Armory Gym closes** at 9 p.m., re-opens Nov. 30. Call 4-7218 for info.

### 25 WEDNESDAY

**West Gallery Art Exhibit and Reception:** "Mademoiselles Shows," exhibit 8:30 a.m.-4:30 p.m., reception 5-8 p.m., 1309 Art/Soc. Call 5-1442 for info.

**Campus Recreation Services,** no aerobics or water aerobics sessions, HHP facilities, Cole and Preinkert swimming pools close at 1 p.m., re-open Nov. 30. Call 4-7218 for info.

UMAB, 4 p.m., 0200 Symons. Call 5-7947 for info.

### 1 TUESDAY

**Instructional Television System Symposium:** "Systems Engineering of the Future: Integration of Control, Communication and Computation," 11 a.m.-5 p.m., ITV Studio. \$40 fee includes symposium notes and lunch. Call 5-4905 to register.\*

**Ecology and Evolutionary Biology Seminar:** "Sex, Lies and Razorbills: the Role of Females in Extra-Pair Copulations," Richard Wagner, National Zoological Park, noon, 1208 Zoo/Phys. Call 5-6887 for info.

4 p.m., 1113 Computer and Space Science. Call 5-3001 for info.

### 3 THURSDAY

**Center for Teaching Excellence Conversations About Teaching:** "Outstanding Innovative Instructional Improvement Projects on Campus," 12:30-2 p.m., Maryland Room, Marie Mount. Call 5-3154 for info.

**Meteorology Seminar:** "The Growing Modes of the Atmosphere: How to Get Them and How to Use Them," Zoltan Toth and Eugenia Kalnay, National Meteorological Center, 3:30 p.m., 2114 Computer and Space Science. Call 5-5392 for info.

**Committee on History and Philosophy of Science Lecture:** "Data in the Good Old Days—Galileo and Sense Data: The Problem of the Given," William Wallace, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

**University of Maryland Symphony Orchestra,** directed by William Hudson, 8 p.m., Tawes Recital Hall. Works to be performed include Schubert's *Symphony No. 5* and Stravinsky's *Le Baiser de la Fée*. Call 5-5542 for info.

### 4 FRIDAY

**Geology Seminar:** "Evolution of the Hercynian Sila Batholith: Genesis of Granitic Rocks in a Collisional Environment, Italy,"

Robert Ayuso, USGS, 11 a.m., 0103 Hornbake. Call 5-4089 for info.

**Speech Communication Colloquium:** "Examining Qualitative Features of the Lonely Person's Social Network," Wendy Samter, University of Delaware, noon, 0104 Skinner. Call 5-6524 for info.

**Center for Neurosciences Colloquium:** "Dynamic Regulation of Neurons and Networks," Eve Marder, Brandeis Univ., noon, 1208 Zoo/Phys. Call 5-6909 for info.

### 5 SATURDAY

**University of Maryland Chorus:** Annual Christmas Concert, Paul Traver, conductor, 8 p.m., Memorial Chapel. Tickets are \$8 standard admission, \$6 faculty, staff, students and seniors, and \$3 children 10 and under. Call 5-5568 for info.\*

**Astronomy Observatory Open House,** lecture by Peter Giovanoni on active galaxies and high energy gamma rays, 8 p.m., Observatory, Metzerott Road. Weather permitting, telescope observation will follow. Call 5-3001 for info.

### 6 SUNDAY

**University of Maryland Chorus:** Annual Christmas Concert, Paul Traver, conductor, 4 p.m., Memorial Chapel. Tickets are \$8 standard admission, \$6 faculty, staff, students and seniors, and \$3 children 10 and under. Call 5-5568 for info.\*

### 7 MONDAY

**West Gallery Art Exhibit:** "Fall Graduating Senior Exhibit," 8:30 a.m.-4:30 p.m. weekdays through Dec. 11, reception Dec. 9, 5-8 p.m., 1309 Art/Soc. Call 5-1442 for info.

**Center for International Extension Development and Office of International Programs Seminar:** "Agriculture's Socioeconomic Transition in Lithuania: The Integrative Role of Extension," Betty Wells, Iowa State Univ., noon-1 p.m., 0115 Symons. Call 5-1253 for info.

### 8 TUESDAY

**Ecology and Evolutionary Biology Seminar:** "The Lactation Strategy of Harbor Seals," Darrell Boness, National Zoological Park, noon, 1208 Zoo/Phys. Call 5-6887 for info.

**Graduate Student Government Meeting,** 3-5 p.m., 1143 Stamp Student Union. Call 4-8630 for info.

**Committee on History and Philosophy of Science Lecture:** "Chaos Theory: Abstraction/Reconstruction Approaches to Data," James A. Yorke, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

**Open Rehearsal,** Guarneri String Quartet, 7 p.m., Tawes Recital Hall. Call 5-5548 for info.

**University of Maryland Chorale Christmas Concert,** directed by Roger Folstrom, 8 p.m., Memorial Chapel. Call 5-5537 for info.

### 9 WEDNESDAY

**Dingman Center for Entrepreneurship Seminar:** "Venture Deals in the Washington Area," 7:30-9 a.m. Fee includes breakfast: \$25 for non-members, \$20 for members. Call 5-2151 for info.\*

**Instructional Television System Symposium:** "User Interface Strategies '93," 11 a.m.-5 p.m., ITV Studio. Fee is \$64. Call 5-4905 to register.\*

**Counseling Center Research and Development Meeting:** "The Changing Face of Graduate Education," Carla Gary, noon-1 p.m., 0106 Shoemaker. Call 4-7691 for info.

**Astronomy Colloquia:** "Experimental Concerns for Cosmic Background Radiation Measurement," Edward Cheng, Goddard Space Flight Center, 4 p.m., 1113 Computer and Space Science. Call 5-3001 for info.

\*Admission charged for this event. All others are free.

Note: when calling from off-campus phones, use the prefix 314- or 405- respectively for numbers listed as 4-XXXX or 5-XXXX.



"Trapeze" by Patrick Craig is part of the "Out of the Studio" exhibition

**Space Science Seminar:** "Particle Acceleration in Solar Flares," Donald Reames, NASA, 4:30 p.m., 1113 Computer and Space Science. Call 5-7456 for info.

### 24 TUESDAY

**Ecology and Evolutionary Biology Seminar:** "Importance of Secondary Structure in Pre-mRNA," Dave Kirby, noon, 1208 Zoo/Phys. Call 5-6887 for info.

**CIDCM Brown Bag Lunch Seminar:** "The Kurdish Problem in the Aftermath of the Gulf War," Hossein Shahbazi, 12:30-1:30 p.m., 2136 Mill Bldg. Call 4-7703 for info.

**Committee on History and Philosophy of Science Lecture:** "Data in Plasma Physics," Derek Boyd and James Drake, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

**Dingman Center for Entrepreneurship Roundtable:** "Creating a Strategic Plan Based on Vision and Reality," 6-9 p.m., UMBC, Catonsville. \$35 fee includes a light buffet. Call (410) 455-2336 to register.\*

**University of Maryland Bands Concert:** "22nd Annual Showcase Concert," featuring the Symphonic Wind Ensemble, Concert Band, Jazz Ensemble and the Marching Band, 8 p.m., Tawes Theatre.

**UMIACS Seminar on Algorithms:** "Proof Verification and Hardness of Approximation Problems," Mario Szegedi, AT&T Bell Labs, 2 p.m., 1112 A.V. Williams. Call 5-6761 for info.

**Art Gallery closes** at 4 p.m., re-opens Nov. 30. Call 5-2763 for info.

### 26 THURSDAY

Happy Thanksgiving

### 30 MONDAY

**Maryland Biotechnology Institute Symposium:** "Potential Ecological and Nontarget Effects of Transgenic Plant Gene Products on Agriculture, Silviculture, and Natural Ecosystems," Nov. 30-Dec. 2, Center of Adult Education. \$125 registration fee. Call 5-1056 for info.\*

**Returning Students Program:** "End of Semester Survival Skills: Putting It All Together," 2-3 p.m., 2201 Shoemaker. Call 4-7693 for info.

**Computer Science Colloquium:** "The Traveling Salesman Problem," David Johnson, AT&T, 4 p.m., 0111 Classroom Bldg. Call 5-2661 for info.

**Entomology Colloquium:** "Neuroreceptors as Potential Targets for Future Pesticides," Mohyee Eldefrawi,

**Coastal and Environmental Policy Program Speaker:** "The Politics of Global Warming," Alan Miller, noon-1:15 p.m., 1139 Stamp Student Union. Call 5-6383 for info.

**Committee on History and Philosophy of Science Lecture:** "Data in Meteorology," Milton Halem, NASA, 4:15-6 p.m., 1407 Chemistry. Call 5-5691 for info.

### 2 WEDNESDAY

**Counseling Center Research and Development Meeting:** "Narcissistic Injury in Counseling Center Clients: Its Relationship to Early Trauma, Early Resources, Adjustment to College and the Working Alliance in Counseling," Kathy Zamostrny, Sue Slyter, Peggy Rios, noon-1 p.m., 0106 Shoemaker. Call 4-7691 for info.

**Molecular and Cell Biology Seminar:** "Two Mechanisms of Viral Replication," Lin Chao, 12:05 p.m., 1208 Zoo/Phys. Call 5-6991 for info.

**Department of English Renaissance Reckonings:** "The Problem of Shakespeare's Text(s)," Barbara Mowat, Folger Institute, 3:30 p.m., 1120 South Campus Surge. Call 5-3809 for info.

**Astronomy Colloquia:** "Highlights from IUE and Other Observatories," Yoji Kondo, Goddard Space Flight Center,

